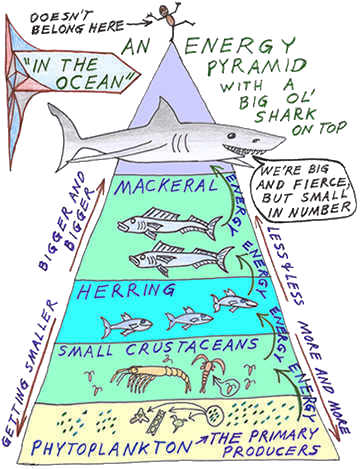
|  |  |  |
| --- | --- | --- |
|  | **Biology** | **شعار-القسم** |
| **Worksheet-8-** |
| Pyramids of numbers and biomass |

|  |  |
| --- | --- |
| Name: Class: 8 /……........ | |
| Book pages:480-493 | |
| **19 – 20 -3-2012** | Date: |
| 8.5.2 | Core Standard number |
| 1. Explain the concept of biomass. 2. Explain why pyramids of biomass are always pyramid shaped. 3. explain why the size of animals increases as you go up a food chain . 4. explain why some pyramids of numbers are not pyramid shaped. | Learning Objectives  Logo + text 2 |

**Q1: Define biomass**

Biomass is the total mass of dry organic matter per unit of area

Q2) study the pyramid at the right and answer the questions

1. What are the most numerous organisms?

photoplankton

1. Where does the energy flow?

from base of the pyramid to top

1. How many trophic levels are there?

five trophic levels

1. What type of pyramid is this?

pyramid of biomass

1. explain why the size of animals increases

as you go up a food chain .because it is small (little) in number

1. Explain why pyramids of biomass are always pyramid shaped

since if a trophic level gains all its mass from the level below, then it cannot have more mass than that level (you cannot weigh more than you eat).